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NEW MEXICO OIL CONSERVATION COMMISSION

API # 30-021-20069

Form G-101
Revised 11-65

5A. Indicate Type of Lease
STATE ☒ FEE ☐

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> CO ₂ OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				7. Unit Agreement Name	
2. Name of Operator Amoco Production Company				8. Farm or Lease Name State J0	
3. Address of Operator P. O. Box 68, Hobbs, New Mexico 88240				9. Well No. 1	
4. Location of Well UNIT LETTER G LOCATED 1980 FEET FROM THE North LINE AND 1980 FEET FROM THE East LINE OF SEC. 19 TWP. 21-N RGE. 33-E NMPM				10. Field and Pool, or Wildcat Und. Tubb	
				12. County Harding	
19. Proposed Depth 2530'		19A. Formation Tubb		20. Rotary or C.T. Rotary	
21. Elevations (show whether DE, RT, etc.) 4941 GL		21A. Kind & Status Plug. Bond Blanket-On-File		21B. Drilling Contractor NA	
				22. Approx. Date Work will start 12-10-80	

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11" or 12 1/4"	8 5/8"	24#	700'	Circ	Surf
7 7/8"	5 1/2"	14#	2530'	Tie back to 8 5/8"	BTM 8 5/8"

Propose to drill and equip well in the Tubb formation. After reaching TD logs will be run and evaluated. Perforate and stimulate as necessary in attempting commercial production.

Mud Program: 0'-700' Native mud and fresh water
700'-TD Commercial mud and brine water with minimum properties for safe hole conditions.

BOP Program Attached

Gas is not dedicated

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 3-9-81
UNLESS DRILLING UNDERWAY

0 + 2 NMOCD -SF 1-Hou 1-Susp 1-BD

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Bob Davis Title Admin. Analyst Date 12-1-80

(This space for State Use)

APPROVED BY Carl Ullvog TITLE SENIOR PERMITTING GEOLOGIST DATE 12/8/80

CONDITIONS OF APPROVAL, IF ANY:

STATEMENT OF APPROVAL TO BE NOTIFIED
WITHIN 24 HOURS OF BEGINNING OPERATIONS

All distances must be from the outer boundaries of the Section.

Operator AMOCO			Lease Bravo Dome Carbon Dioxide Gas Unit		Well No. 2133-191G
Unit Letter G	Section 19	Township T21N	Range R33E	County HARDING	
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the EAST line					
Ground Level Elev. 4941	Producing Formation Tubb		Pool Bravo Dome 640 Acre Area	Dedicated Acreage: 640 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Agreement or Forced Pooling

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

CERTIFICATION	
<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p>	
Name <u>John L. McElroy</u>	
Position <u>Asst. Adm. Analyst</u>	
Company <u>Amoco Production Company</u>	
Date <u>9-12-84</u>	
<p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p>	
NOV 19 1984	
Date Surveyed <u>Nov 19 1984</u>	
Registered Professional Engineer and/or Land Surveyor	
N.M.L.S. NO. 5103	
Certificate No. <u>SHIL</u>	

Tract 3 PT	Tract S 209 PT
Amoco Prod. Co. W. O. Culbertson III et al W. H. Coon Dallam - Hartley Cos. Hosp. Dist. Richard S. Coon	Amoco Prod. Co. State of New Mexico 1980

Tract 580	Tract 653
Amoco Prod. Co. Authur D. Penrod et ux	Amerasia Hess Corp. Sun Prod. Co. W. O. Culbertson, Jr Tst Joe J. Culbertson Milton E. Culbertson Tst Fannie C. Scardello Tst

Tract 1A PT	
Amoco Prod. Co. W. O. Culbertson III, et al	W. O. Culbertson Jr Tst Joe J. Culbertson Milton E. Culbertson Tst Fannie C. Scardello Tst W. H. Coon Dallam-Hartley Hosp. Dist. Richard S. Coon

Scale
330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

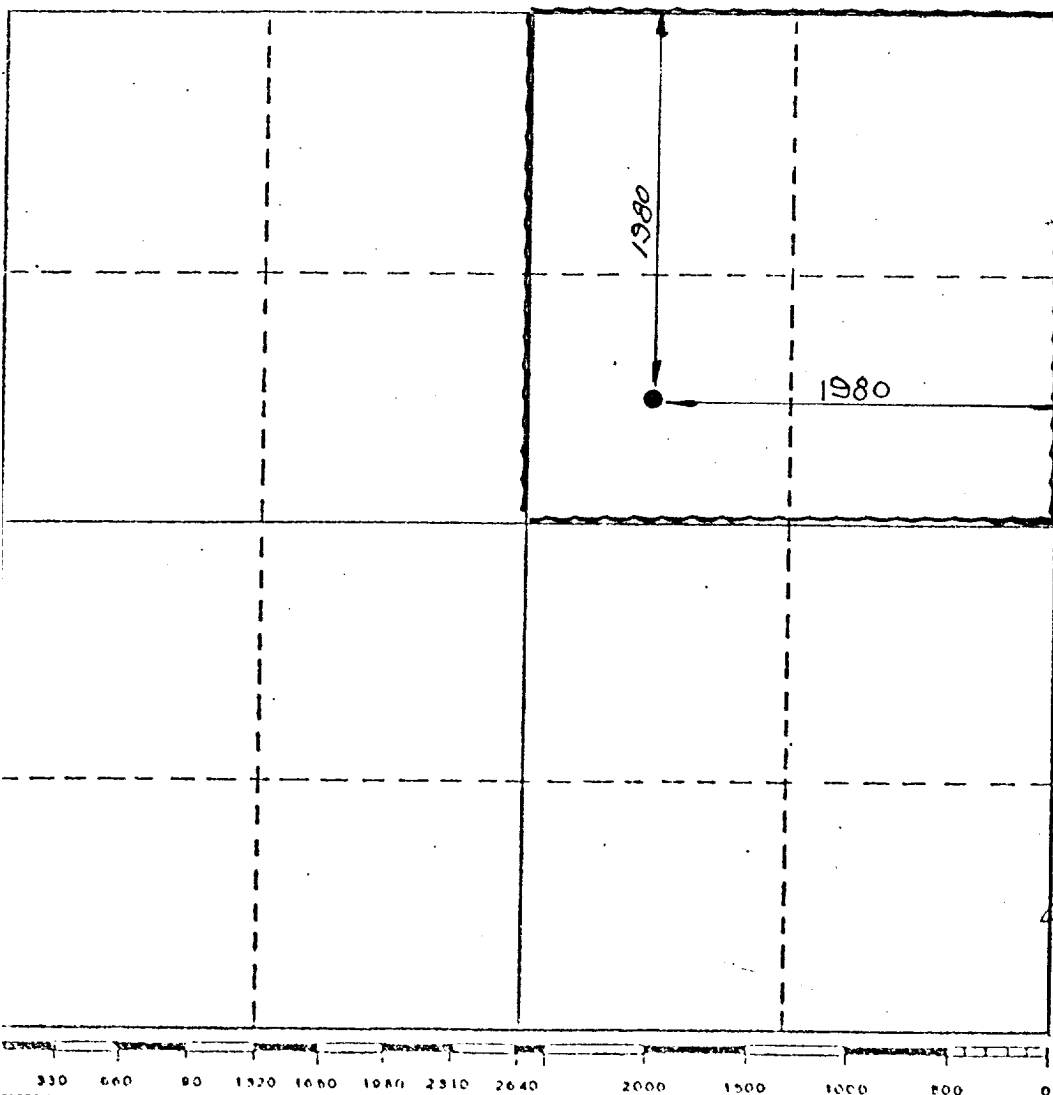
Operator AMOCO		Lease STATE OF NEW MEXICO		Well No. JO-1	
Unit Letter G	Section 19	Township T21N	Range R33E	County SANTA FE HARDING	
Actual Footage Location of Well: 1980 feet from the NORTH line and 1980 feet from the EAST line					
Ground Level Elev. 4941	Producing Formation Tubb		Pool Und. Tubb	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name Bob Davis
Position Admin. Analyst
Company Amoco Production Company
Date 12-1-80

I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

NOV 19 1980

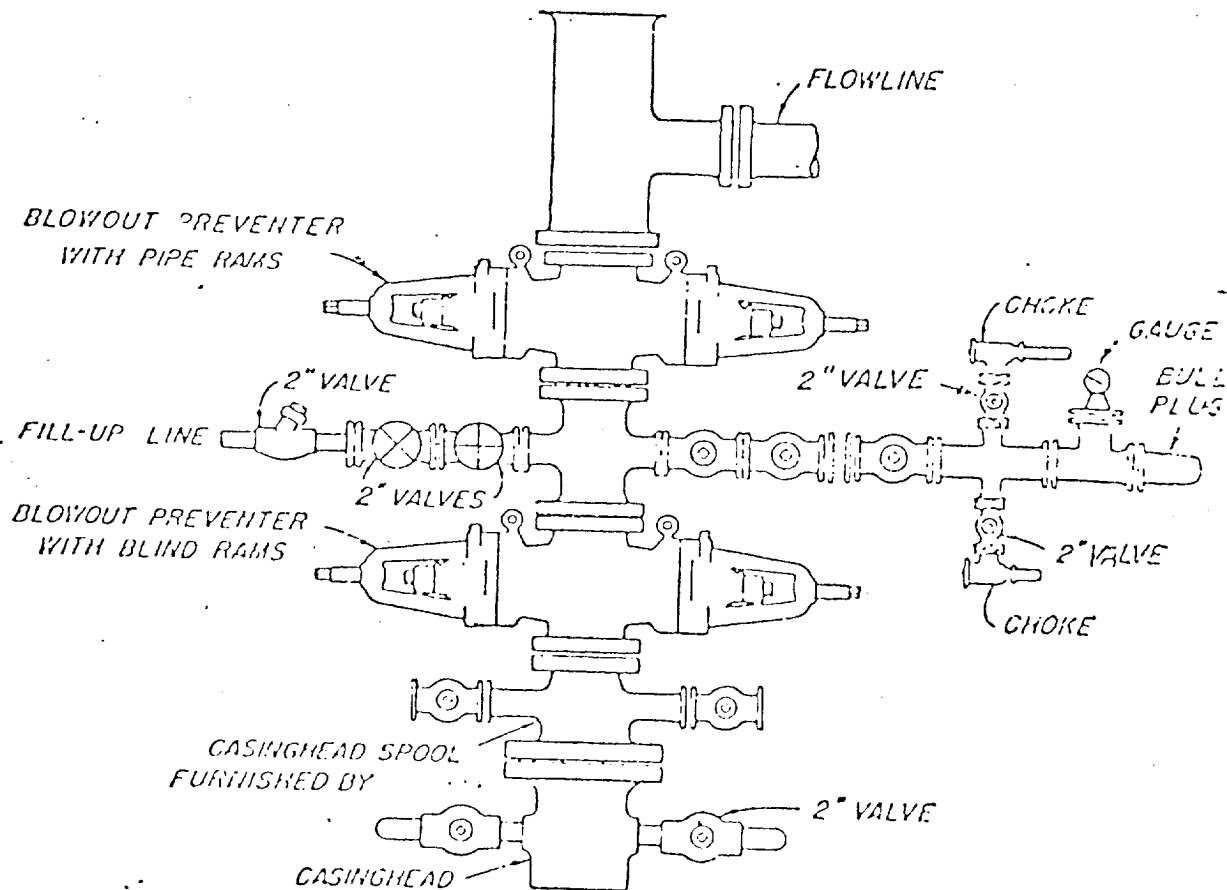
Date Surveyed _____
Registered Professional Engineer
and/or Land Surveyor

N.M.L.S. NO. 5103

Certificate No. _____

ATTACHMENT "B"
NOTES

1. Blow-out preventers and master valve to be fluid operated and oil fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above blow-out preventer shall be same size as casing being drilled through.
4. Kelly cock required, 3,000# W.P. (6,000 p.s.i. test) minimum.
5. OHSCO or comparable safety valve must be available on rig floor at all times with proper connection or sub, 3,000# W.P. (6,000 p.s.i. test), minimum.
6. Blow-out preventers and master valve while drilling intermediate hole to 6000' may be 2,000# W.P. (4,000 p.s.i. test), minimum.
7. Choke assembly, beyond second valve from cross, may be positioned (Optional) outside of derrick foundation.
8. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
9. Plug valves - gate valves are optional. Valves shown as 2" are minimum size.
10. Casing head and casing head spool, including attached valves, to be furnished by Amoco.
11. Rams in preventers will be installed as follows:
 When drilling, use:
 Top Preventer - Drill pipe rams
 Bottom Preventer - Blind rams or master valve
 When running casing, use:
 Top Preventer - Casing rams
 Bottom Preventer - Blind rams or master valve



BLOWOUT PREVENTER HOOK-UP

AMOCO PREVENTION COMPANY

EXHIBIT D-1 MODIFIED

JUNE 1, 1962